

C. L. Riggs Is New Foreman, March 1

Metal Preparation Elevates Y-12 Vet

Special Services, in the Metal Preparation Division, announces the promotion of Clarence L. Riggs to processing foreman, effective March 1.

Riggs, a native of Knoxville, hired in November 16, 1945 after a four-year hitch in the U.S. Army (in the European Theatre during World War II). He had previously served two years in the pre-war army.

He worked with the Singer Sewing Machine Company in the 30's, with the U.S. Post Office Department, the C. B. Atkins Furniture Company, and the Home Beneficial Insurance Company.

The Riggs home is at 102 Heather Lane, Knoxville. Mrs. Riggs is the former June Rose, and the couple has two children . . . Ronnie Riggs, Asheville, North Carolina; and Brenda Dugger, Knoxville. They also have three grandchildren. The grand-kids, plus fishing and camping occupy a lot of the new foreman's spare time.

Safety Awards Are Being Given This Week

Distribution for Y-12's 1968 safety awards began yesterday, Tuesday, March 18 . . . at 2 p.m.

Hours at all the portals will be again today, Wednesday, March 19, from 6:30 until 8 a.m. . . . this afternoon from 2 until 5 p.m. . . . and again tomorrow, Thursday, March 20, from 6:30 until 8 a.m.



Clarence L. Riggs

Joint Seminar Is Rescheduled Tomorrow

A joint Physics Division and Atomic and Molecular Processes seminar is set for tomorrow. I. A. Sellin will lead the discussion on "One-, Two-, and Three-Electron Atoms with Boosted Nuclear Charge."

The seminar is set for tomorrow, Thursday, March 20 in the East Auditorium of ORNL's 4500 building at 3:15 p.m.

INSTANT REPLACEMENT

A state official died and at his funeral an office-seeker got the governor aside and asked if he could have the deceased man's place.

"I certainly have no objection," replied the governor. "But you might check with the undertaker."

Youth Opportunity Program Expanded

More than 90 economically disadvantaged young people have been selected for an expanded Youth Opportunity Program involving summer jobs at Oak Ridge facilities operated by the Nuclear Division, Union Carbide Corporation, for the U.S. Atomic Energy Commission. Last year, 65 young people participated in the program.

The program is open to persons between the ages of 18 and 21 who are high school graduates or students planning to continue their education either in college, business, vocational or technical schools. Assignments are based on the test scores of the applicants.

Participants will work for approximately 10 weeks during the summer, and the base salary will be about \$330 per month.

This is the fourth year the Oak Ridge facilities will participate in the program. About 50 students will work at the Oak Ridge National Laboratory, 30 at the Oak Ridge Gaseous Diffusion Plant, and 15 at the Oak Ridge Y-12 Plant.

Union Carbide's central employment staff members worked with high school guidance counselors in several counties to find suitable candidates for the program. Thirty-eight schools in Anderson, Blount, Knox, Loudon, Morgan and Roane counties were contacted. Assistance in the recruitment also was provided by the Community Action Centers, Neighborhood Job Corps, and State Employment Offices in Knoxville, Harriman, Oak Ridge and Maryville.

Union Carbide's Sales Up Profits Down For 1968

Union Carbide Corporation sales rose to a new high in 1968; however, earnings dipped due to several reasons. Consolidated worldwide sales rose six per cent to \$2,686 million, compared with sales in 1967 of \$2,546 million. Earnings were \$157 million, or \$2.60 a share, eight per cent below the \$171 million, or \$2.82 a share, earned in 1967.

Birny Mason Jr., chairman of the board, said that the principal causes for the earnings decline, in spite of the achievement of a new sales record, were lower selling prices for certain major products, continued high start-up and production costs at several locations, higher taxes, and a previously reported nonrecurring after-tax charge of 10 cents a share resulting from the termination of manganese mining operations in Gu-

yana. Union Carbide's investment tax credit was lower than in 1967 by the equivalent of about three cents a share. The surtax reduced 1968 earnings by approximately 11 cents a share.

Commenting on the year's sales gain, Mason stated, "In our chemicals and plastics group, chemical products had a good year with sales increases greater than the overall corporate average. However, growth in physical volume of plastic products was largely offset by substantially lower prices, particularly in low-density polyethylene. Our carbons, electronics, gases, and metals group sales for the year were only modestly ahead of those in 1967, in part because of the reduced rate of activity in the steel industry and in the second half of the year and in part because of price attrition in gas and electronics products. The consumer and related products group turned in an excellent performance with sales gains well above the corporate average."

Mason added that the amounts spent for construction in 1968 totaled \$347 million, down from the \$479 million invested in 1967. He said that construction expenditures in 1969 may be somewhat higher than in 1968. Outlays for research and development in 1968 were slightly below the levels of 1967. Despite higher costs, Union Carbide's selling, general, and administrative expenses were maintained at about the previous year's level. These reflect vigorous cost reduction and control programs, which will be continued in 1969.

In commenting on the outlook for 1969, Mason said that, provided the economy continues to expand, Union Carbide expects a further gain in sales and an improvement in profit margins as the capacity that has been added over the last several years is utilized more effectively. He pointed out, however, that the corporation's success in improving profit margins would depend in part upon the future trend of product prices and upon further progress in achieving increased plant efficiency.

Urban Traffic Fatalities Increase In Tennessee

Fatalities in the urban areas of Tennessee increased by 50 percent during January, 1969, over the previous year's first month. There were 30 fatalities in Tennessee cities in January, compared to 15 in the same period of 1968.

State officials have been asked to pay special attention to these high accident areas.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
114 Days Or
3,500,000 Man-Hours
(Unofficial Estimate)
Through March 16
Without A Disabling Injury
SAFETY AT HOME,
AT WORK, AT PLAY



RECOGNIZING THEIR ACCOMPLISHMENTS in the Dale Carnegie Course, H. G. P. Snyder, right, superintendent of Industrial Relations, congratulates four Y-12ers who received awards of outstanding performance. From left are John Campbell, Tom Wheeler, Bill Mason, Ben Phipps and Snyder. The awards read in part: "This recognition was earned because of determination and a strong desire for self-improvement. The award was made on the basis of outstanding performance as determined by vote of class members, and instructors. Congratulations are extended to this members of our organization. An achievement such as this reflects favorably on our entire organization and individual self-employment contributes to general company improvement and growth." Not shown, also taking the recognition were Clyde Crowe and Ernest Neal.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION



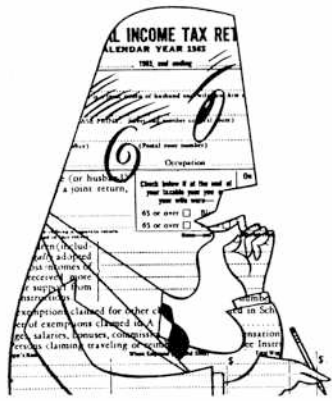
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Who Must File A Tax Estimate?

Completely new Estimated Tax Forms for reporting and paying estimated tax for 1969 have been mailed to one and a half million taxpayers in the Southeast Region, James A. O'Hara, District Director of the Internal Revenue Service for Tennessee has announced.

A taxpayer should not assume that he is required to file or pay estimated tax simply because he receives the new package, O'Hara stated. Anyone receiving the new forms package should read the instructions very carefully to determine whether he is required to file an estimate.

The new package includes the necessary forms, instructions, and four payment 'vouchers' and pre-addressed return envelopes. The package was sent to all taxpayers whose prior year records indicate that they may be liable for filing an estimated declaration in 1969.

Y-12ers in the General Savings Fund of the Carbide Savings Plan will receive the Company contribution in their settlement this July, making most of them liable for the estimated filing.

No declaration is required, in any event, if the estimated tax not subject to withholding can reasonably be expected to be less than \$40. (There is no withholding tax taken from the Savings Plan.)

Many taxpayers choose to avoid filing declarations and making quarterly payments by increasing the amount withheld from their wages.

Copies of the new form and instructions will be available at IRS offices for those who do not receive them through the mail.

Who Are We?

America is 202 million souls strong. Included in this figure are about 180 million persons who make up the nation's 49 million families. The remainder either live alone or in the homes of others.

The following Census Bureau figures, cited by the Institute of Life Insurance, tell us a lot about present-day America:

- 45 per cent of us are married.
- 60 per cent of us can vote.
- 4 per cent of us are foreign born.
- 12 per cent of us are non-white.
- 3 per cent of us are college students.
- 62 per cent of us live in cities.
- 30 per cent of us are in households with \$10,000-a-year incomes or more.
- 17 per cent are so-called white-collar workers.
- 14 per cent are blue collar workers.

7 p.m. also, but at the Oak Ridge High School auditorium.

Registration is \$5 for ASNT members, \$7 for non-members, and \$4 for students.

Reece Son Is Nominated For Outstanding Young Man Of Year By Alma Mater . . . Duke

John S. Reece, head of Chemical Services, received some good news the other day . . . he heard that his son Richard L. Reece had been nominated by the Jaycees as one of the outstanding young men in America. (There are only 200 nominated throughout the USA, and 10 named.) Richard's alma mater, Duke University, has submitted his name in the competition.

Dr. Reece is a graduate of Oak Ridge High School (1952) where he was a member of the Honor Society, president of his senior class . . . and active in track and basketball. He took his BS in chemistry at Duke and in 1960 was awarded his MD from the North Carolina university.

He interned at Hartford Hospital, Hartford, Connecticut, and spent his residency there specializing in pathology. It was during this time he met and wooed Loretta Watkins. (They have a son . . . Spencer.)

In 1965 Richard joined Lufkin Laboratories, Minneapolis, Minnesota. In addition he works in the medical laboratory and does pathology work for the St. Barnabas Hospital.

The doctor has written many medical articles and book reviews. He is editor of the Bulletin of American Medical Writers Association, was assistant editor of the Hartford Hospital Bulletin, and is contributing editor to the Minnesota Medicine. He contributes to St. Barnabas Medical Staff Bulletin (see attached Runyan-esque-type piece of poetry which was featured on the Bulletin's cover and is reprinted with permission).

Richard has contributed articles to JAMA . . . the Journal of the American Medical Association also.

The Reeces, parents of Dr. Reece, live at 154 Kentucky Avenue, Oak Ridge. Richard has a twin-sister, Mary Sue Agee . . . and there's another son, George, employed in Y-12's Civil and Architectural Engineering.

Colonel John Glenn Jr. has said of the outstanding young men chosen for this program, "These young men are not only providing footsteps for others to follow, but I am sure will use this honor as another stepping-stone of their own from which to move on to even more ambitious endeavors."

1968 winners included Bart Starr, Arthur Ashe Jr., and in 1947 a young Californian, Richard M. Nixon, was nominated as one of America's 10 outstanding young men.



DAWN RENEE Miller is the 17-month old granddaughter of Grady Smith, Buildings and Grounds. Her parents Jimmy and Norma Jean Miller live in Charleston, South Carolina . . . too far away, says Grandpop Smith.



Richard L. Reece, M.D.

opening remarks

doctors
are you lucky
you know what
to expect when
the other place
opens but not me
i have not met
their roach yet
and with us
it is the
old principle
of territorial
imperative
or every roach
for himself
will he be a
greedy gobbler
who consumes
all the garbage
or will he be
a sly scrounger
who slithers away
with the spoils
or will he
be like me
an underfooted
philosopher
who considers not
the way to
the end
but the
way it is
as i see it

barney

Competition Report Is Now Available

"Competition in the Nuclear Power Supply Industry," a report prepared for the Atomic Energy Commission by Arthur D. Little, Inc., is now available, the AEC has announced.

Interested persons may obtain copies at \$4.50 apiece from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

The study was undertaken to provide both AEC and the Department of Justice with background information and economic data to assist them in fulfilling their responsibilities under the Atomic Energy Act and antitrust laws.

Part one of the report, distributed in limited quantity last November, focused on subjects customarily examined in industry studies of competition, presented possible government policy objectives for the industry, and discussed suggested approaches for meeting these objectives. The full 428-page report also includes Part Two which contains a series of technical papers describing in considerable detail the various segments of the industry.

Graduate School Sets Spring Curriculum

Registration for the Oak Ridge Resident Graduate Program for the University of Tennessee will be held next Tuesday, March 25 . . . at the Oak Ridge Associated Universities Special Training Building on Laboratory Road.

Classes begin Thursday, March 27.

Courses set for the Spring quarter include:

- CHEMICAL ENGINEERING
5230—Statistical Thermodynamics.
- CHEMISTRY 5130—Advanced Organic Chemistry.
- GERMAN 3010—Elements of German for Upper Division.
- INDUSTRIAL MANAGEMENT
5120—Organization Theory II.
- MATHEMATICS
4170—Linear Algebra and Geometry.
- 4550—Advanced Calculus.
- 4670—Introduction to Mathematical Statistics.
- METALLURGICAL ENGINEERING
5210—Welding Metallurgy.
- 5540—Electron Microscopy.
- NUCLEAR ENGINEERING
5920—Advanced Nuclear Reactor Design.
- PHYSICS
3730—Introduction to Atomic and Nuclear Physics.
- 4130—Introduction to Quantum Mechanics.
- 4510-20-30—Atomic Physics Laboratory.
- 4540-50—Nuclear Physics Laboratory.
- 4630—Gaseous and Solid States.
- 5130—Introduction to Theoretical Physics.
- 5230—Advanced Modern Physics.
- 5430—Electromagnetic Theory.
- 5630—Mathematical Methods in Physics.
- ZOOLOGY
3310—Microtechnique.
- 6130—Seminar in Cellular Biology.

Spring quarter classes extend through June 10. Additional information on schedules and curriculum may be obtained from the graduate office, telephone extension 3-4129.



Riders wanted from Norwood or West Haven shopping centers, to East or West Portals, straight day. W. R. McManus, plant phone 3-5445, home phone Knoxville 524-2020.

Ride wanted from West Village area, Oak Ridge (South Seneca) to Biology Portal, straight day. Dottie Sheffield, plant phone 3-5048, home phone Oak Ridge 483-0933.

Car pool members wanted from Inskip Methodist Parking Lot, Cedar Lane, to North Portal, straight day. Paul Blakely, extension 3-5453; or Betty Harmon, Knoxville 687-2646.

Ride wanted from Claxton area, Clinton Highway, to Central Portal, straight day. Sharon Clapp, plant phone 3-5841, home phone 3-5841, home phone Claxton 945-3565.

Rides wanted or will join car pool from Halls Community, to North or Central Portal, straight day. R. D. Edwards, plant phone 3-7781, home phone Knoxville 687-7890.

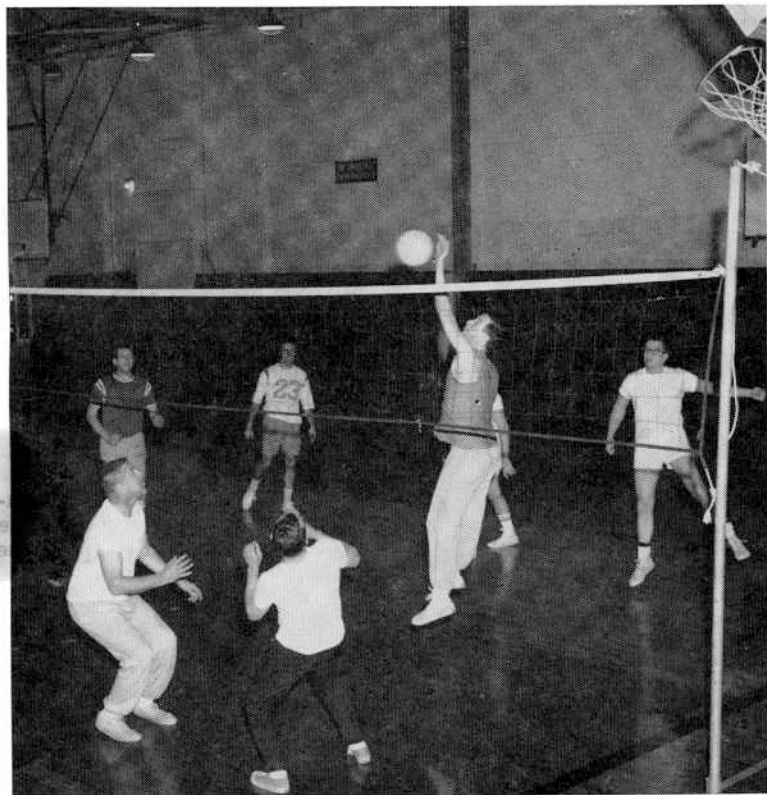
NonDestructive Testing Holding Computer Workshop

The Oak Ridge Section of the American Society for Nondestructive Testing is holding its Sixth Annual Educational Workshop this week. It began yesterday, March 18, with an introduction to basic computers.

The theme of the workshop this year is Basic Process Computers . . . and sessions will be held tomorrow, Thursday, March 20; and next Monday and Thursday, March 24 and 27.

Tomorrow's session, set at the new Linden School auditorium in Oak Ridge, will have as its subject, "The Selection and Application of a Computer." Y-12's J. L. Arrowood will be the speaker. It is set for 7 p.m. Thursday, March 20 at Linden.

J. H. Smith, F. E. Wetzell, C. R. Maxson and J. W. Redmond are featured next Monday at Linden, discussing "The Present and Future Computer Applications." The seminar Monday begins at 7 p.m. at Linden. Next Thursday's session will feature W. Ross Burrus, Tennelec Company, in a discussion on "Uses of Small Computers." March 27's session will be at



PAS DE DEUX on the VOLLEYBALL floor sees ace Fred Wetzel go up to return the ball to the opposing team. The big team Wetzel stars on . . . the Beavers . . . drew a bye in the tournament this week, but will see action tomorrow night, Thursday, March 20, in the double elimination tournament.

ORAU, Old Men, K-25 Hawks M & C, Set-Ups Win In Volleyball

A total of five matches were played in the current Volleyball Tournament set among Carbiders. The double elimination competition opened last week on Court A

as the Defects downed the K-25 Gashouse Gang 15-3, 15-8.

ORAU took care of the Naughts 15-10 and 15-8 in game number two. The Old Men had to scramble to defeat the K-25 Hawks . . . they won number one 15-5; but the Hawks returned to take bout two 15-12. The Oldsters, however, capped game three 15-12.

On Court B, Y-12's Beta 4 Astros dropped two games to the Metals & Ceramics boys 15-8 and 15-6 . . . the Astros did manage to win game two 15-13. (Only the best out of three games are played in the tournament.)

The Set-Ups beat the Semanon handily 15-8 and 15-10.

Tomorrow's games will see the Beavers matched against the Set-Ups; the Nemesis and the Defects; the M&C team against ORAU; and the Old Men against the Ecobums.

In the losers bracket the Beta 4 Astros will be pitted against the Naughts and the Semanon team will play the K-25 Hawks.

Softball Players, Teams Paged For Summer Action

Up goes the flag in Recreation again . . . this time calling for Softball players. What it's all about is this: Recreation wants that team name, the manager and assistant manager's name and plant phone right away. Deadline for entering the 1969 league action will be 4:30 p.m. Friday, April 11.

Action will be set not later than May 12 at Pinewood Park, Oak Ridge . . . which will give teams about three weeks to practice up.

So, call Recreation now . . . if you have a team . . . or want on one. They'll put your team in the pot, or put your name on a team roster somewhere, somehow!

GROWING BOY

Proud mama: "Oh, he's getting to where he can eat solids now . . . newspapers, pencils, keys, rubber bands, spiders and ash trays," in describing her growing baby.

Who's Gonna Stop Y-12's Big GBU's

The Basketball League got in some hot licks last week . . . as the teams stretch into the last lap of competition.

Early in the week the Cobols edged by the Biomedes 37 to 33 . . . with Jim Amburgy big man on the basket with 14 points. Ed Ford dropped 10 in for the winners also.

On the losing squad it was Jerre Batson and Bill Olsen, each with 10.

The Bat Boys belted the Dagmops in Monday's second battle . . . 50 to 23, as the Mops did nothing right.

Dave Hendrickson led the victors with 18 through the bucket . . . High Beeson dropped 16.

GBU's Hot Again!

The GBU's found easy pickin's over the Beta 2 Miners in final play Monday, 53 to 37.

Rob Waters scored 19, Gary Ellis 12 and Ron Gamrot, 10 . . . as the three players rebounded as good as they shot.

John Scott scored 24 for the losers . . . Tim Butler, nine.

Tuesday saw the Bombers lower the boom on the Cavaliers 42 to 31. These two teams played give away ball, with both percentages very low. The Bombers managed to keep a few points ahead all the time, getting balanced scoring while the Cavs had to lean heavily on Dick Hudson and Dan Bennet.

Butters Eke Through

The Butter Balls beat the Isotopes in a close one 39 to 35. These teams couldn't have been colder if they had played outdoors in the record-breaking cold. In the third and fourth quarters they scored a total of 14 points. Curtis McGinnis led the Butter Balls with 12 . . . Jim Gibson scored 10 for the losing I's.

Tuesday's last game saw the Computes completely overshadow the Guess Who's 70 to 42. The GW's pulled to within one point in the second quarter but blew it when the Computes reeled off 12 straight points. The last half saw the Computes to perfection as they rolled at will. Big Jim Treadwell scored 28 big points with his teammate Bob Alred clearing the boards for him.

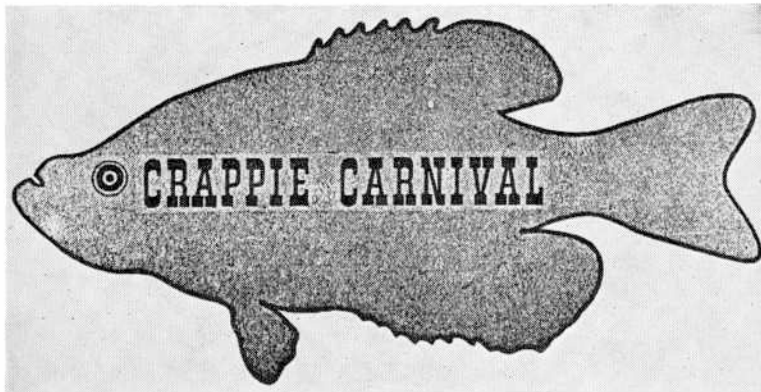
Wednesday saw the Guess Who team take a forfeit win from the Soul Men.

The CC 69ers clipped the Bums 52 to 45 in first action. Good shooting percentages in the first quarter were earned by both teams. Bruce Marshall was a demon for the 69ers on the offensive boards which gave him 16 points (half of the team's total in the first half). He and Wes Hightower (21 points) provided the spark at the necessary time to keep the fire going to the 69ers. Russ Smith, Neal Nolan and Don Forrester did a creditable job but couldn't muster enough to stay in the game.

Trojans Fall Hard

The Computes outdid the K-25 Trojans 83 to 56 . . . a race horse affair as expected. The Computes had too many thoroughbreds as they all got into the scoring act. Jim Treadwell dropped 34 points in . . . one of his better scores, both point-wise and percentage-wise. He got help from Bones Stonecipher and Bob Alred. Snow Davis and Churchill Moore were hot for the Trojans, but needed more help than they could get.

The Ail Stars weren't ailing when it came to dealing out the Quarks in final play last week. They overpowered them 56 to 48. The Quarks made a run for it but fell short; as they would get within shot range, John White would



Big Crappie Rodeo Staged Next 3 Week-Ends By Shift Group From Blue Springs Dock Area

E, F, G, H and J Shiftmen are talking up a big Crappie Rodeo, set for Saturday and Sunday, March 22, 23, 29 and 30 and April 5 and 6. The Rodeo is open from 7 a.m. to 5 p.m. . . and registration takes place from 6:30 a.m. to 4 p.m. each day.

Fish weigh-in will be from 11 a.m. to 12 noon and 4 p.m. to 5 p.m. each day . . . no other weigh-ins will be taken.

The big contest will be at Blue Springs Boat Dock, Watts Bar Lake.

All entries over the six-day

rodeo will be judged for the total awards, and only one award to employee and family.

You must fish out of Blue Springs Dock and eligible fish must be taken from Watts Bar Lake.

Arrangements for boat rental may be made through Blue Springs Boat Dock, Kingston telephone 376-7298.

All Y-12ers are welcome to come and fish the three week-end rodeo, and bring the young'uns along, too!

Rackley Rolls Big In Classic

The Tigers are still safe leaders in the Classic Bowling League's race down to the finish line . . . a full seven points out. Last week they took three points from the Splinters. The Eagles, next in line, also took three from the Pinbusters.

The Rebels routed the Eightballs for four . . . the only sweep of the night. Also taking three were the All Stars by the

Smelters, the Has Beens by the Bumpers, the Cubs by the Screwballs and the Playboys around the Rippers. The Swingsters and Markers shared two.

Otis Rackley, Swingsters, swung into a magic circle . . . rolling a 257 scratch game, 280 handicap single; His series was 660 scratch, 729 handicap!

The Bumpers belted out high singles 1029 scratch, 1126 handicap . . . and the Swingsters stuck to high series in scratch counting 2731 . . . and the Eagles put 3035 handicap series down.

League standings follow:

Team	W	L
Tigers	35	13
Eagles	28	20
Pinbusters	27	21
Rebels	27	21
Splinters	25	23
All Stars	25	23
Has Beens	25	23
Bumpers	24½	23½
Rippers	23½	24½
Smelters	23	25
Cubs	23	25
Markers	22	26
Swingsters	21	27
Screwballs	20	28
Playboys	19	29
Eightballs	16	32

fire and then they would fall back. White accomplished his job on the boards.

League standings follow:

Team	W	L
GBU's, Y-12	14	0
Computes, ORNL	13	1
CC 69ers, Y-12	11	2
Bombers, ORNL	11	4
Butter Balls, ORNL	10	5
Biomedes, ORNL	9	6
Beta 2 Miners, Y-12	8	6
Ail Stars, Y-12	8	7
Cavaliers, ORNL	8	8
Isotopes, ORNL	7	8
Carbide Trojans, K-25	7	8
Quarks, Y-12	7	8
Bums, Y-12	6	10
Cobols, K-25	5	9
Guess Who, ORNL	4	11
Bat Boys, Y-12	3	12
Dagmops, Y-12	2	14
Soul Men, ORNL	0	14

Big 5 Half Point C Alley Leaders

It's a good thing the Big Five were on 'double-time' last week in their C Bowling League. They took six points from the Jokers Five to remain a scant leader in the alley race. Next in line the Rollmasters rolled four past the Royal Flush for the only sweep of the night.

Posting three were the Rounders by the Invalids, the HiLifers around the Parbusters. Sharing two each were the Badgers and Instrument Engineers . . . the Fireballs and Sunflowers.

Bill Sise, Big Five, boasted a 228 single scratch game. Gordon Hill, Rollmasters, rolled a 252 handicap single. Sise put a 606 scratch, 675 handicap series on the books for the week.

The Big Five acted like champs right through the lines . . . taking all team highs . . . singles of 929 scratch, 1040 handicap . . . and new highs in series of 2719 and 3052!

League standings follow:

Team	W	L
Big Five	33½	14½
Rollmasters	33	15
Rounders	27	21
Sunflowers	26½	21½
HiLifers	24½	23½
Parbusters	24	24
Badgers	24	24
Fireballs	24	24
Jokers Five	21	27
Instrument Engineers	21	27
Invalids	15½	32½
Royal Flush	14	34

Golf Advisory Group Named By Recreation

The Recreation Department announces the appointment of its 1969 Golf Advisory Committee. Paul J. Johnson, Assembly Technical Staff; E. P. Braden, Alpha Five Processing; C. R. Riggs, Dispatching; and George Heins, Environmental Control Engineering, make up the committee.

1969's first tournament is set Saturday, April 26 at Wallace Hills, Maryville. Other tournaments are set May 17, June 28, and August 23. The Recreation Department is still seeking a course for a July tournament.

WATCH OTHER DRIVER

Stay well behind the car ahead of you, and be particularly alert in watching for his signals. If you follow too closely, your headlights will reflect in his rear view mirror and reduce his vision.

Recreation



Saturday, March 22

HI POWER RIFLE LEAGUE: 9 a.m., Oak Ridge Sportsmen's Association. First Firing.

CRAPPIE RODEO: Blue Springs Dock, Watts Bar Lake.

Monday, March 24

TABLE TENNIS: 7 p.m., Oak Ridge Wildcat's Den. Final Night.

BOWLING: C League, 5:45, Ark Lanes.

PHYSICAL FITNESS: (For Women): 7:30 p.m., Oak Ridge High School Girls' Gym.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Bums vs. Dagmops; Isotopes vs. Bombers; Guess Who vs. Computes.

Tuesday, March 25

PISTOL LEAGUE: 6:15 p.m., Oak Ridge Sportsmen's Association.

PHYSICAL FITNESS: (For Men): 7:30 p.m., Oak Ridge High School Gym.

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Ail Stars vs. Beta 2 Miners; Cobols vs. Bat Boys; Butter Balls vs. Biomedes.

Wednesday, March 26

BASKETBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Carbide Trojans vs. GBU's; Cavaliers vs. Quarks; Soul Men vs. CC 69ers.

BOWLING: 8 p.m., Ark Lanes, Mixed League.

Thursday, March 27

BOWLING: Classic League, 5:45 p.m., Ark Lanes.

ARCHERY LEAGUE: 5, 6 and 7 p.m. Indoor Range, Oak Ridge Sportsmen's Association.

VOLLEYBALL TOURNAMENT: Beginning 6:30 p.m. Oak Ridge High School Gym. Court A and B.



Robert C. Anderson



Trygve C. Myhre



Jackie L. Cook



Foraker Lambdin Jr.

TWO TECHNICAL PAPERS, authored by Y-12ers, were presented at the American Society of Metals' 1969 Western Metals Show in Los Angeles, California, March 10-14. The papers 'Elevated Temperature Tensile Properties of Beryllium' by R. C. Anderson and T. C. Myhre; and 'Fabrication of Graphite Fiber Reinforced Graphite Composites' by J. L. Cook and F. Lambdin, were given.

Twisters Widen Big Mixed Lead!

The Twisters took a 10-point lead in the Mixed Bowling League last week as the teams rolled down to the near-finish in the last half. They blasted three away from the McSprays. Also posting three were the Roses 'N Thorns by the Mustangs and the Hits & Misses around the Rollers.

Sharing two each were the Alley Cats and Goofers.

Mabel Tyer, Hits & Misses, hit a 176 single game, 220 handicap single. Barbara Hackett, Roses 'N Thorns, rolled a 455 scratch series, 581 handicap total. Charlie Gillihan, Rollers, rolled a 187 single, 219 handicap single . . . 504 scratch series . . . and he and Bill Hackett, Roses 'N Thorns, rolled a 600 handicap series.

The Goofers gained high singles . . . 730 scratch, 853 handicap. Their 1870 scratch series was high also . . . and the Roses 'N Thorns rolled a 2249 handicap series.

Team	W	L
Twisters	38	6
Goofers	28	16
Roses 'N Thorns	27	17
Hits & Misses	24	20
McSprays	23	19
Mustangs	15	29
Rollers	14	30
Alley Cats	7	37

Auto Keys Are Crying 'Take Us Along . . .'

Three of every four stolen cars were left unlocked, according to FBI reports. And 42 per cent of those purloined had a key left in the ignition! Motorists are asking for theft when they leave a key in the car's ignition . . . or leave a car unlocked.

And What Day Were You Born?

Do you know what day of the week you were born on? (You can find out by looking in either the Knoxville or Oak Ridge telephone directory in the 200-year calendar.) After establishing the day of your birth, look to the old English ditty to see where you fit in as a human being:

"Monday's child is fair of face, Tuesday's child is full of grace, Wednesday's child is full of woe,

Thursday's child has far to go, Friday's child is loving and giving,

Saturday's child has to work for its living.

But a child that's born on the Sabbath day

Is fair and wise and good and gay."

Ridge Tennis Club Deadline Entry Mar. 26

The Oak Ridge 1969 Tennis Club will begin action shortly. There will be singles, doubles and mixed doubles events.

Membership for the first half is \$2 per person per singles . . . \$2 per team per doubles, and the league's first half begins April 14.

Tennis players may file application through Hunter Foreman, Room 238, Building K-1007, K-25, extension 3-3381. Applications must be returned not later than next Wednesday, March 26, for players to be eligible for the season's first half.



The vernal equinox . . . a time when life renews itself . . . finds many more Y-12ers crossing important landmarks with Union Carbide Corporation. Congratulations.

25 YEARS

John G. Smith Jr., Product Engineering, March 20.

L. P. Vines, H-2 and F-Area Shops, March 20.

Irene Posey, Building Services Department, March 20.

William D. Burger, Buildings, Grounds and Maintenance Shops, March 21.

Maurice J. Fortenberry, Product Engineering, March 22.

William H. Ward, Chemical Services, March 23.

Lester E. Burkhardt, Laboratory Development, March 25.

15 YEARS

Earl H. Barton, Gage Certification Laboratory, March 21.

Arthur Mitchell, M-Wing Shop, March 21.

Everett R. Ballew, Dispatching Department, March 21.

John P. Noland, Utilities Administration, March 21.

Robert N. Millican, Area Five Maintenance, March 22.

Wayne W. Thompson, Process Maintenance, March 22.

Roy C. Stone, Dimensional Inspection, March 22.

James V. McCoy, Beta Four Forming, March 23.

Robert F. Long, Machine Maintenance, March 24.

Rollin E. Plemons, Quality Assurance, March 24.

10 YEARS

Charles D. Montgomery, Ceramics and Plastics Development, March 25.

Pearson Daughter Gets Tech Honors



Marcia Pearson

Marcia Pearson, daughter of Mr. and Mrs. Ralph Pearson, has recently received several honors at Tennessee Tech, Cookeville, recently.

Marcia was chosen sophomore beauty, and was named Calendar Cover Girl for 1969-70 and sweetheart of Phi Delta Theta fraternity.

A health and physical education major, she was Miss Freshman last year and also won a scholarship as runner-up in the Miss Tech pageant sponsored by the Cookeville Jaycees and Jayettes. She is a member of Alpha Gamma Phi and has just been elected vice president of the Council of Campus Sororities.

Marcia graduated from Clinton High School, where she was captain of the cheerleaders, and Miss CHS her final year there.

The Pearsons live on Woodland Drive, Clinton.



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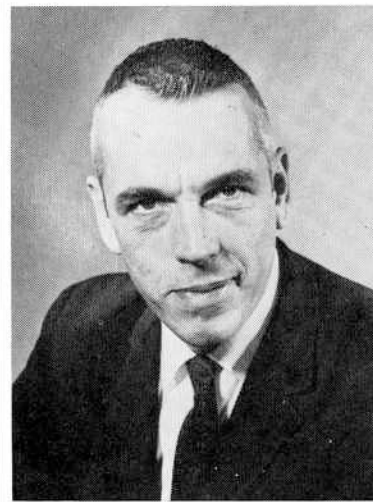
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Oak Ridge, Tenn.

Permit No. 71

John B. Storer, Authority On Radiation Delayed Effects, Guest At HPS Meeting Monday

Dr. John B. Storer, noted authority on the delayed effects of radiation exposure, will be the guest speaker for the East Tennessee Chapter of the Health Physics Society meeting next week. It is at the Holiday Inn, Oak Ridge, next Monday, March 24, at 5:30 p.m.



Dr. John B. Storer

Dr. Storer received his MD degree from the University of Chicago. Following an internship at the Mary Imogene Bassett Hospital, Cooperstown, New York, he returned to the department of pathology at Chicago as a PHS Fellow. He was later appointed research associate in pathology and served as pathologist to the University of Chicago Toxicity Laboratory. In 1950, he joined the biomedical research troupe at Los Alamos Scientific Laboratory where he worked until 1953, when he took military leave to serve as captain in the Army Medical Corps. In 1958, Dr. Storer joined the Jackson Laboratory, Bar Harbor, Maine; and in 1962 was promoted to senior staff scientist and served as assistant director of research from 1962 until 1964. He was appointed deputy director of the AEC's Division of Biology and Medicine in 1967, a position he holds presently.

Dr. Storer is a member of the council as well as the board of editors of the Radiation Research Society. He is also a member of the American Association for Cancer Research, the Society for Experimental Biology and Medicine, the American Society for Experimental Pathology, and the American Association for the Advancement of Science. He has served as at consultant to the Surgeon General, U.S. Army, the Argonne National Laboratory, and the U.S. Air Force. In 1968 he was a recipient of the E. O. Lawrence Award for meritorious research in the field of nuclear science.

His research interests are in the later effects of exposure to ionizing radiation, aging, and recovery from radiation injury.

The technical session, moderated by Dr. C. C. Lushbaugh, will begin at 7:30 p.m. Monday. Storer's subject will be "Late Effects: Extrapolation to Low Dose and Low Dose-Rate Exposures." A social hour beginning at 5:30 p.m. and a buffet dinner at 6:30 p.m. will precede the technical session. Dinner reservations may be made through D. J. Nelson, at ORNL, extension 3-6841, or at his Oak Ridge telephone number 483-3257.

Just Because A Silly Jasmine Blooms

The Recreation Department thinks it's Spring just because there's a jasmine a-blooming outside! So, they're taking names of twosomes for golf leagues this Spring and Summer . . . two men per twosome, naturally.

Leagues will be formed in Southwest Point, Kingston; Melton Hill, Clinton; and Whittles, Knoxville.

So just call 3-7109, and give the name of your team . . . i.e., the names of the two men in it, and which league you want it.

They'll handle the rest! Just because there's a crazy jasmine outside the door!

OVER-DRIVING HEADLIGHTS

Don't over-drive your headlights. At 60 miles an hour it will take you, under average conditions, about 370 feet to stop. Yet you can see only about 200 feet ahead of your car at night.